

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

JOINT APPLICATION OF LOUISVILLE GAS AND	)	
ELECTRIC COMPANY AND KENTUCKY UTILITIES	)	
COMPANY FOR SITE COMPATIBILITY	)	
CERTIFICATES FOR THE CONSTRUCTION OF A	)	CASE NO.
COMBINED CYCLE COMBUSTION TURBINE AT	)	2014-00133
THE GREEN RIVER GENERATING STATION AND	)	
A SOLAR PHOTOVOLTAIC FACILITY AT THE E.W.	)	
BROWN GENERATING STATION	)	

ORDER

On April 21, 2014, Louisville Gas and Electric Company ("LG&E") and Kentucky Utilities Company ("KU") (collectively "Joint Applicants") submitted a verified Joint Application, pursuant to KRS 278.216 and 807 KAR 5:001, Section 14, requesting Site Compatibility Certificates for the construction of an approximately 700-megawatt ("MW") net summer rating natural gas combined-cycle combustion turbine facility at KU's Green River Generating Station ("Green River NGCC") in Central City, Muhlenberg County, Kentucky, and an approximately 10-MW solar photovoltaic facility at KU's E.W. Brown Generating Station ("Brown Solar Facility") in Harrodsburg, Mercer County, Kentucky.<sup>1</sup>

On June 2, 2014, the Commission issued an Order noting that the procedural schedule in Case No. 2014-00002 was being held in abeyance for 90 days to allow the Joint Applicants a reasonable amount of time to consider the effect of the then potential

---

<sup>1</sup> In a separate but related proceeding, Joint Applicants have sought approval for Certificates of Public Convenience and Necessity to construct the Green River NGCC and the Brown Solar Facility. See Case No. 2014-00002, Joint Application of Louisville Gas & Electric Company and Kentucky Utilities Company for Certificates of Public Convenience and Necessity for the Construction of a Combined Cycle Combustion Turbine at the Green River Generating Station and a Solar Photovoltaic Facility at the E.W. Brown Generating Station (Ky. PSC filed Jan. 17, 2014).

departure of nine municipal wholesale electric customers who had recently given notice to KU of their intent to terminate their electric contracts with KU. The June 2, 2014 Order also noted that the departure of the nine municipal wholesale electric customers could affect the Joint Applicants' need for Site Compatibility Certificates as requested in this case. The Order, therefore, delayed the establishment of a procedural schedule for the processing of the instant matter until such time as the abeyance period in Case No. 2014-00002 has expired.

On August 22, 2014, Joint Applicants provided notice of their withdrawal of that part of their Joint Application which sought a Site Compatibility Certificate for the proposed Green River NGCC. Joint Applicants requested that their Joint Application be treated as amended to remove Green River NGCC and that the instant proceeding be resumed for the processing of this matter for the Brown Solar Facility project.

On August 29, 2014, the Commission issued an Order granting Joint Applicants' request that the Joint Application be treated as amended to remove the Site Compatibility Certificate request for the Green River NGCC and established a procedural schedule for the processing of this matter. There are no intervenors in this matter. A formal evidentiary hearing was conducted on November 24, 2014. The matter is now submitted for a decision. For the reasons stated below, the Commission will approve the Joint Application.

Pursuant to KRS 278.216(2), Joint Applicants submitted a Site Assessment Report ("SAR") for the Brown Solar Facility with the Joint Application. The SAR provided a detailed description of the Brown Solar Facility project, noting that it will be constructed on the approximately 153-acre parcel owned by KU located south of the

existing E.W. Brown Generating Station property. The Brown Solar Facility will include the following structures: 1) approximately 260 solar photovoltaic panels; 2) twenty 500-kilowatt AC inverters; 3) ten 1-MVA pad-mounted transformers; 4) 13.8-kilovolt ("kV") switchgear; 5) perimeter fencing; 6) buried electric distribution cabling; and 7) an approximately one-mile long on-site 13.8-kV overhead electric power distribution line which would be almost entirely on KU property. The SAR identified no significant impacts associated with the Brown Solar Facility on air, land, or water resources. The SAR also identified no significant effects or complications on surrounding infrastructure or nearby residents, including viewshed impairments, property values, excessive noise, fugitive dust, and transportation. Lastly, the SAR indicated that because there are no emissions or stacks associated with the solar facility, setback requirements are not required.

Having reviewed the record and being otherwise sufficiently advised, the Commission finds that the Joint Applicants have satisfied the requirements of KRS 278.216 for the issuance of a Site Compatibility Certificate for the Brown Solar Facility. Further, the evidence demonstrates that the Brown Solar Facility, which will be constructed on property owned by the Joint Applicants and located at an existing power site, would not harm local property values, unduly increase traffic or noise, or materially change the visual impact of the facility. For these reasons, we find that a Site Compatibility Certificate should be issued for the construction of the Brown Solar Facility.

IT IS THEREFORE ORDERED that Joint Applicants are granted a Site Compatibility Certificate to construct the Brown Solar Facility at the E.W. Brown Generating Station in Harrodsburg, Kentucky.

By the Commission

ENTERED  
DEC 19 2014  
KENTUCKY PUBLIC  
SERVICE COMMISSION

ATTEST:

  
\_\_\_\_\_  
Executive Director

Rick E Lovekamp  
Manager - Regulatory Affairs  
LG&E and KU Energy LLC  
220 West Main Street  
Louisville, KENTUCKY 40202

Ed Staton  
LG&E and KU Energy LLC  
220 West Main Street  
Louisville, KENTUCKY 40202

Honorable Allyson K Sturgeon  
Senior Corporate Attorney  
LG&E and KU Energy LLC  
220 West Main Street  
Louisville, KENTUCKY 40202